

LEGEND

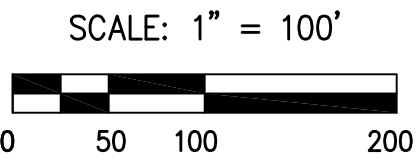
- PROPERTY LINE
- PROPOSED MUP BOUNDARY
- PROPOSED NO BUILDING ZONE
- PROPOSED DAYLIGHT LINE
- PROPOSED CONTOUR
- PROPOSED RIP RAP
- PROPOSED OPEN SPACE EASEMENT
- EXISTING OPEN SPACE EASEMENT
- EXISTING CONTOUR
- CONTOUR PER GRADING PLAN L-13349 (BY DRAPER ENGINEERING)

NOTES

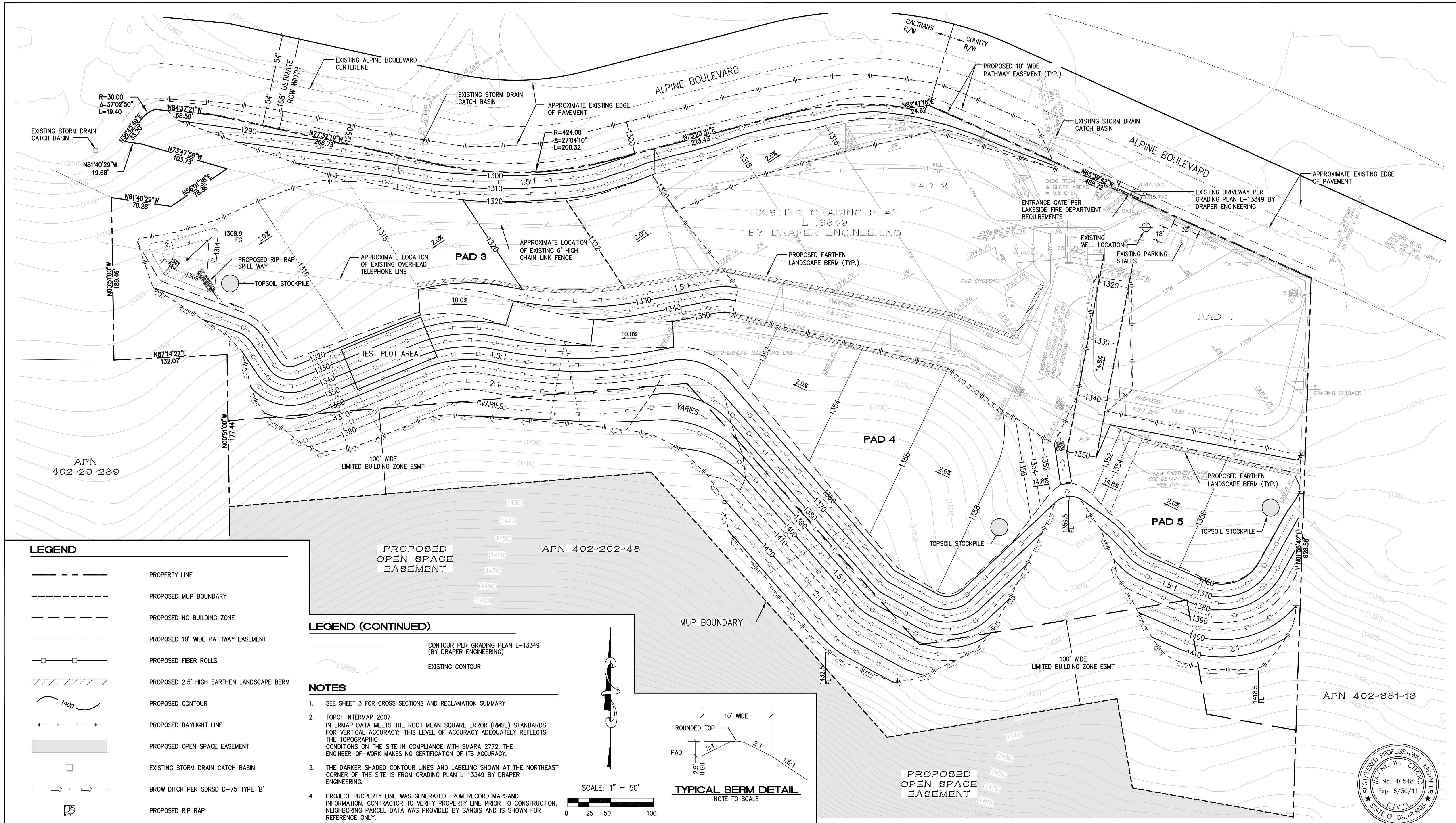
- SEE SHEET 2 FOR DETAIL OF RECLAMATION GRADING. SEE SHEET 3 FOR CROSS SECTIONS AND RECLAMATION SUMMARY
- TOPO: INTERMAP 2007 INTERMAP DATA MEETS THE ROOT MEAN SQUARE ERROR (RMSE) STANDARDS FOR VERTICAL ACCURACY; THIS LEVEL OF ACCURACY ADEQUATELY REFLECTS THE TOPOGRAPHIC CONDITIONS ON THE SITE IN COMPLIANCE WITH SMARA 2772. THE ENGINEER-OF-WORK MAKES NO CERTIFICATION OF ITS ACCURACY.
- THE DARKER SHADED CONTOUR LINES AND LABELING SHOWN AT THE NORTHEAST CORNER OF THE SITE IS FROM GRADING PLAN L-13349 BY DRAPER ENGINEERING.
- PROJECT PROPERTY LINE WAS GENERATED FROM RECORD MAPS AND INFORMATION. CONTRACTOR TO VERIFY PROPERTY LINE PRIOR TO CONSTRUCTION. NEIGHBORING PARCEL DATA WAS PROVIDED BY SANGIS AND IS SHOWN FOR REFERENCE ONLY.
- THE WDD NO. IS _____

P LINE TABLE		
NO.	BEARING	LENGTH(ft)
L1	N87°14'27"E	132.07
L2	N00°51'00"W	189.46
L3	N81°40'29"W	70.28
L4	N56°01'38"E	78.36
L5	N73°47'56"W	103.73
L6	N81°40'29"W	19.68
L7	N36°45'49"E	33.20
L8	N84°37'21"W	68.59
L9	N77°32'19"W	266.73
L10	N75°23'31"E	223.43
L11	N82°41'16"E	24.62
L12	N65°39'42"W	488.72

P CURVE TABLE					
NO.	RADIUS(ft)	DELTA	LENGTH(ft)	CHORD(ft)	CHORD BEARING
C1	30.00	37°02'50"	19.40	19.06	N55°17'14"E
C2	424.00	27°04'10"	200.32	198.46	N88°55'36"E
C3	316.00	24°37'48"	135.84	134.80	N87°42'25"E



OPERATOR		DECLARATION OF RESPONSIBLE CHARGE		COUNTY OF SAN DIEGO		DPLU APPROVED CHANGES		RECORD PLAN		PRIVATE CONTRACT	
NAME: MARK TURVEY		I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBILITY CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.		APPROVED FOR COMPLIANCE WITH THE ENVIRONMENTAL REVIEW		NUMBER DESCRIPTION APPROVED BY DATE		BY: _____ DATE: _____		SHEET 1 COUNTY OF SAN DIEGO SHEETS 3	
ADDRESS: 15570 EL CAPITAN PEAK EL CAJON, CA 92021		I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF SAN DIEGO IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.		APPROVED BY: _____				R.C.E.: _____		RECLAMATION PLAN FOR: TURVEY D.G. PIT	
TELEPHONE: (619) 443-5045		BY: _____ DATE: SEPTEMBER 4, 2009		DATE: _____				EXPIRES: _____		CALIFORNIA COORDINATE INDEX - 250-1821	
SHORT LEGAL: NORTH WEST 1/4 OF SECTION 19 TOWNSHIP 15 S. RANGE 2 E		R.C.E. 46548 EXPIRES: JUNE 30, 2011						BENCH MARK		APPROVED DIRECTOR OF PLANNING AND LAND USE BY: _____	
A.P.N. 402-202-48 & 402-202-54								DESCRIPTION: _____		ENGINEER OF WORK: WAYNE W. CHANG RCE: 46548	
SITE ADDRESS: 16215 ALPINE BOULEVARD ALPINE, CA 91901								LOCATION: _____		P/01-009/RP01-001 RECLAMATION PLAN NO:	
								RECORD FROM: _____			
								ELEVATION: _____ DATUM: _____			



OPERATOR	
NAME:	MARK TURVEY
ADDRESS:	15570 EL CAPITAN PEAK EL CAJON, CA 92021
TELEPHONE:	(619) 443-5045
SHORT LEGAL:	NORTH WEST 1/4 OF SECTION 19 TOWNSHIP 15 S. RANGE 2 E
A.P.N.	402-202-48 & 402-202-54
SITE ADDRESS:	16215 ALPINE BOULEVARD ALPINE, CA 91901

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I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBILITY CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.	
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BY:	DATE: SEPTEMBER 4, 2009
R.C.E. 46548	EXPIRES: JUNE 30, 2011

COUNTY OF SAN DIEGO	
APPROVED FOR COMPLIANCE WITH THE ENVIRONMENTAL REVIEW	
APPROVED BY: _____	
DATE: _____	

DPLU APPROVED CHANGES			
NUMBER	DESCRIPTION	APPROVED BY	DATE

RECORD PLAN	
BY: _____	DATE: _____
R.C.E. _____	
EXPIRES: _____	
BENCH MARK	
DESCRIPTION: _____	
LOCATION: _____	
RECORD FROM: _____	
ELEVATION: _____	DATUM: _____

PRIVATE CONTRACT	
SHEET 2	COUNTY OF SAN DIEGO SHEETS 3
RECLAMATION PLAN FOR: TURVEY D.G. PIT	
CALIFORNIA COORDINATE INDEX - 250-1821	
APPROVED DIRECTOR OF PLANNING AND LAND USE BY: _____	ENGINEER OF WORK: WAYNE W. CHANG R.C.E. 46548
	P/01-009/RP01-001 RECLAMATION PLAN NO:

RECLAMATION NOTES

1. POST-MINING LAND USE: BOX TREE NURSERY
2. FINAL SLOPE REQUIREMENTS: 1.5:1 (HORIZONTAL:VERTICAL), EXCEPT FOR THE TOP OF SLOPES WHERE COLLUVIUM IS EXPOSED WILL BE LAID BACK TO 2:1, NO BENCHING, PADS WILL BE GRADED TO PROVIDE POSITIVE DRAINAGE.
3. EROSION CONTROL SILT FENCING WILL BE USED ONCE MINING HAS FINISHED FOR PERIMETER CONTROL. FOR ADDED SLOPE STABILITY STRAW WADDLES WILL BE PLACED AT 15' MAX VERTICAL INTERVALS ON CUT SLOPES. REVEGETATION WITH A NATIVE SEED MIX WILL CONTRIBUTE TO SLOPE STABILIZATION.
4. STORMWATER CONTROL: PAD RUNOFF WILL OCCUR AS SHEET FLOW DIRECTED INTO SETTLING BASINS DESIGNED TO HOLD THE INITIAL RUNOFF ALLOWING SEDIMENTS TO SETTLE BEFORE RELEASING THE WATER BACK INTO THE NATURAL DRAINAGE CHANNEL.
5. CUT SLOPES WILL BE REVEGETATED USING A NATIVE SEED MIX APPLIED BY HYDROSEEDING. REVEGETATION WILL OCCUR BETWEEN NOVEMBER 15 AND JANUARY 15, WITH VARIATIONS DUE TO WEATHER PATTERNS.
6. EXTRACTION AND RECLAMATION WILL OCCUR CONCURRENTLY DURING THE LIFE OF THE PROJECT. A NATIVE SEED MIX WILL BE APPLIED TO CUT SLOPE AREAS OF THE RESTORATION AREA. APPLICATION OF THE SEED MIX WILL OCCUR OVER ALL AREAS TO BE RECLAIMED AS SHOWN ON THE CONCEPTUAL LANDSCAPE PLAN. RECLAMATION WILL BE ONGOING AND WILL BE FINISHED TWO YEARS FOLLOWING THE COMPLETION OF MINING.
7. THE SEED MIX WILL BE APPLIED TO 15' VERTICAL SECTIONS OF 1.5:1 (H:V) FINISHED CUT SLOPES NOT SUBJECT TO FURTHER DISTURBANCE. THESE 15' VERTICAL SECTIONS WILL BE SEEDED WHEN THE PAD FLOOR IS AT LEAST 5' BELOW THE AREA TO BE RECLAIMED. DUE TO CONCURRENT EXTRACTION AND RECLAMATION, REVEGETATION WILL BE EVALUATED AND METHODS WILL BE MODIFIED AS NECESSARY TO IMPROVE VEGETATION. FERTILIZATION AND IRRIGATION ARE NOT ANTICIPATED AS PLANTING DURING THE CORRECT TIME OF YEAR WILL ALLOW FOR COMPARABLE REVEGETATIVE SUCCESS TO SURROUNDING AREAS.
8. WOOD CHIPS, CRUSHED ROCK OR OTHER BMP'S WILL BE APPLIED TO PAD AREAS. ACCESS TO THE PADS WILL REMAIN FOR BOX TREE OPERATIONS AND MAINTENANCE PURPOSES. HOWEVER, EXTERIOR SECTIONS OF THE ROADS CAN STILL BE REVEGETATED WHILE MAINTAINING ACCESS.
9. MONITORING AND MAINTENANCE: REVEGETATION METHODS WILL BE CONTINUALLY EVALUATED AS REVEGETATION IS COMPLETED THROUGHOUT THE SITE. ERADICATION MEASURES WOULD BE TAKEN WHEN INVASIVE SPECIES ARE DETECTED AT THRESHOLD LEVELS OF ONE PLANT PER LESS THAN 100 SQUARE FEET. MONITORING WILL TAKE PLACE FOR AT LEAST TWO YEARS FOLLOWING THE COMPLETION OF MINING. WHEN THE PERFORMANCE STANDARDS HAVE BEEN MET, FINANCIAL ASSURANCES WILL BE RELEASED AND RECLAMATION WILL BE CONSIDERED COMPLETE BY THE LEAD AGENCY.
10. RECLAMATION WILL NOT AFFECT FUTURE MINING WITHIN THE PROJECT AREA OR WITHIN THE VICINITY OF THE PROJECT AREA.

STORMWATER AND EROSION CONTROL BMP

1. ESTABLISH FINAL SLOPES AS SOON AS POSSIBLE.
2. SETTLING BASINS ALONG WITH OTHER BMP'S WILL BE USED TO REMOVE SEDIMENT FROM RUNOFF.
3. INSTALL SILT FENCE AND OTHER BMP'S TO DETAIN SEDIMENT-LADEN WATER, PROMOTING SEDIMENTATION BEHIND THE FENCE WHILE RELEASING WATER.
4. SEEDING AND PLANTING, TO KEEP HIGH QUALITY VEGETATIVE COVER OVER SLOPES AND DISTURBED AREAS.
5. ENERGY DISSIPATERS SHALL BE MAINTAINED AT THE END OF PIPES OR CHANNELS CONVEYING CONCENTRATED RUNOFF.
6. A STABILIZED DRAIN SHALL BE ESTABLISHED TO ROUTE DRAINAGE FROM PADS WITHOUT DISCHARGING OVER CONSTRUCTED AREAS.
7. EARTHEN BERMS AND OTHER BMP'S SHALL BE USED TO CHANNEL RUNOFF FROM GRADED PADS TO SETTLING BASINS.

CONDITION:

X _____
COUNTY OF SAN DIEGO DPLU REPRESENTATIVE

CONDITION:

X _____
COUNTY OF SAN DIEGO DPLU REPRESENTATIVE

CONDITION:

X _____
COUNTY OF SAN DIEGO DPLU REPRESENTATIVE

CONDITION:

X _____
COUNTY OF SAN DIEGO DPLU REPRESENTATIVE

VEGETATIVE COVER (M:METERS)	SPECIES COMPOSITION/ SPECIES RICHNESS	PERCENT COVER	DENSITY
SEED MIX	8 NATIVE SPECIES	70% COVERED (ALL NATIVE SPECIES COMBINED)	2 STEMS NATIVE SPECIES PER 3M^2

GRADING NOTES

1. FINAL APPROVAL OF THESE GRADING PLANS IS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE.
2. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
3. A CONSTRUCTION, EXCAVATION, OR ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY.
4. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:

SAN DIEGO GAS & ELECTRIC

PACIFIC BELL

CATV

SEWER

WATER

619-235-6323

800-422-4133

619-263-9251

800-422-4133

800-422-4133
5. APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND A VALID GRADING PERMIT HAS BEEN ISSUED.
6. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 6:00 P.M. EACH DAY, MONDAY THROUGH SATURDAY, AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR HOLIDAYS.
7. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
8. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO THE ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
9. SLOPE RATIOS

CUT - 1.5:1 MAX. FOR MINOR SLOPES,
2:1 MAX. FOR MAJOR SLOPES

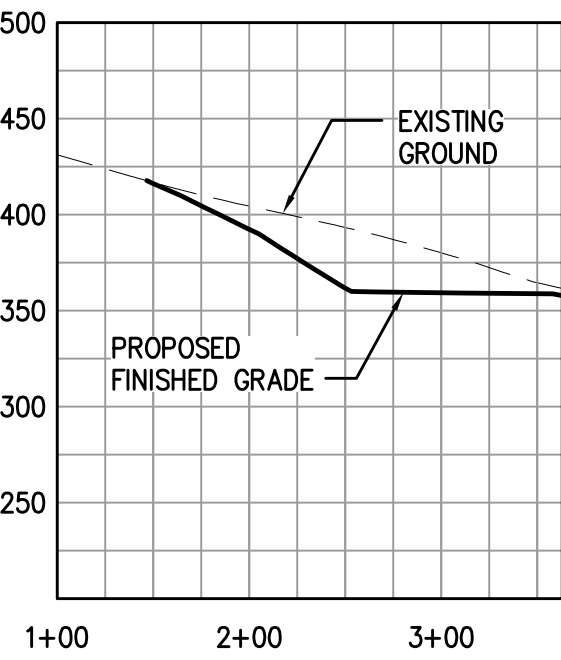
FILL - 2:1 MAX.

SLOPES DEVIATING FROM THE ABOVE WILL REQUIRE APPROVAL OF DIRECTOR OF PUBLIC WORKS AFTER REVIEW OF A REPORT FROM A SOILS ENGINEER.
10. SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS PERMITTEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE DISCOVERY. GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS
11. ALL GRADING DETAILS WILL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARD DRAWINGS DS-8, DS-10, DS-11, D-75.

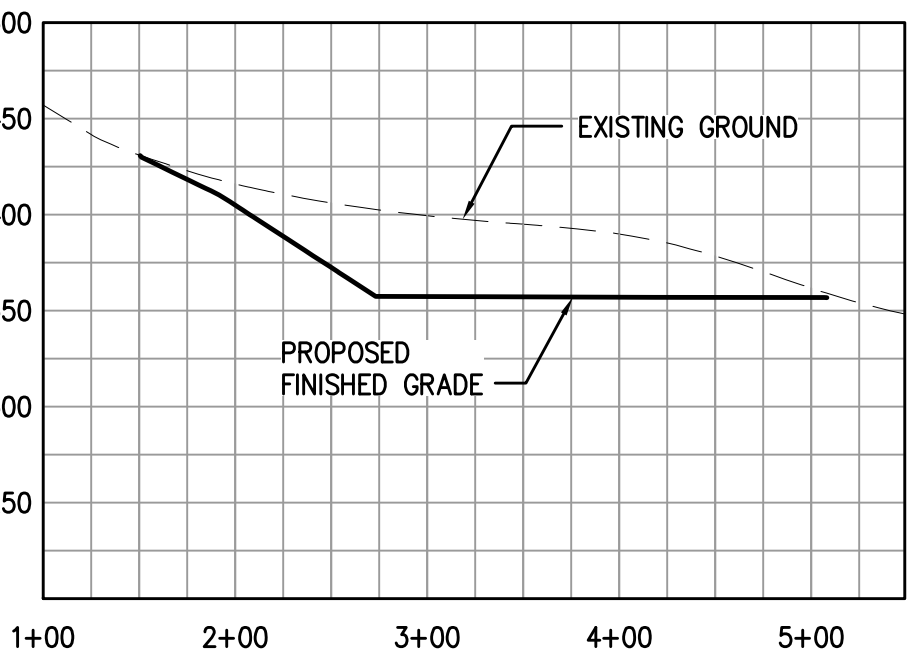
NATIVE SEED MIX

ADENOSTOMA FASCICULATUM*
ARTEMISIA CALIFORNICA*
CEANOTHUS TOMENTOSUS*
ERIOGONUM FASCICULATUM*
ESCHSCHOLZIA CALIFORNICA
HETEROMELES ARBUTIFOLIA*
LOTUS SCOPARIUS*
LUPINUS ALBIFRONS*
MALOSMA LAURINA*
MIMULUS AURANTIACUS*
RHAMNUS CROCEA*
RHUS OVATA*
SALVIA APIANA*
SALVIA MELLIFERA*
XYLOCCOCUS BICOLOR*

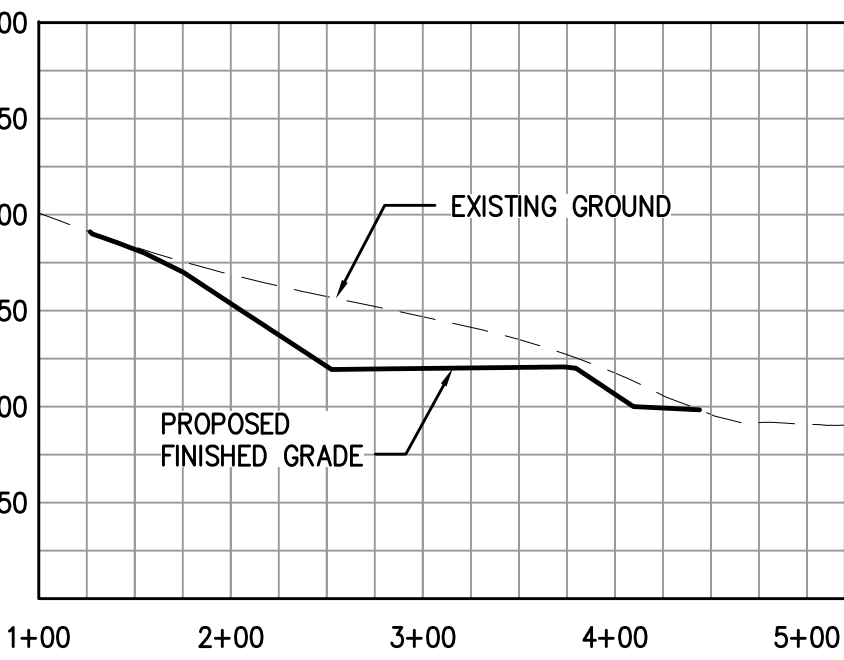
CHAMISE
CALIFORNIA SAGEBRUSH
WOOLY-LEAF MOUNTAIN LILAC
CALIFORNIA BUCKWHEAT
CALIFORNIA POPPY
CHRISTMASBERRY
DEERWEED
SILVER BUSH
LAUREL SUMAC
MONKEYFLOWER
SPINY REDBERRY
SUGARBUSH
WHITE SAGE
BLACK SAGE
MISSION MANZANITA



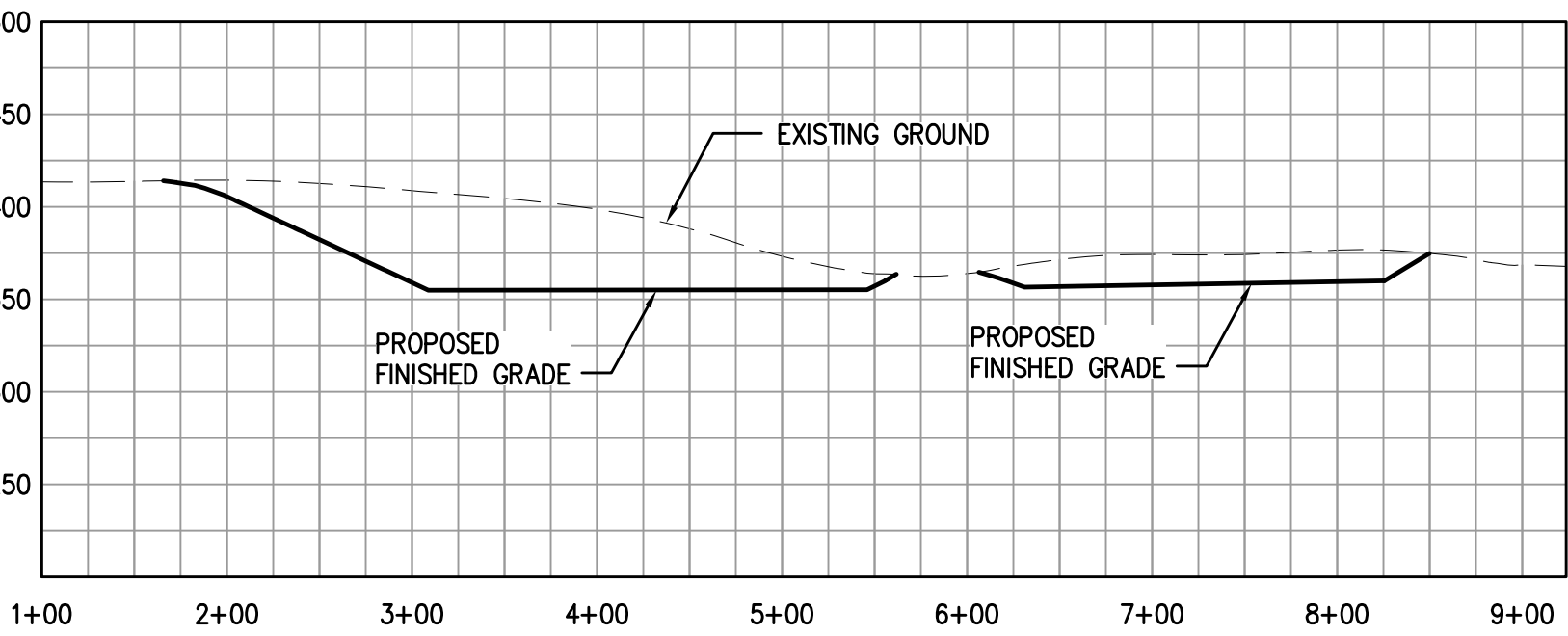
SECTION A-A
SCALE: HORIZ. 1"=100' VERT. 1"=100'



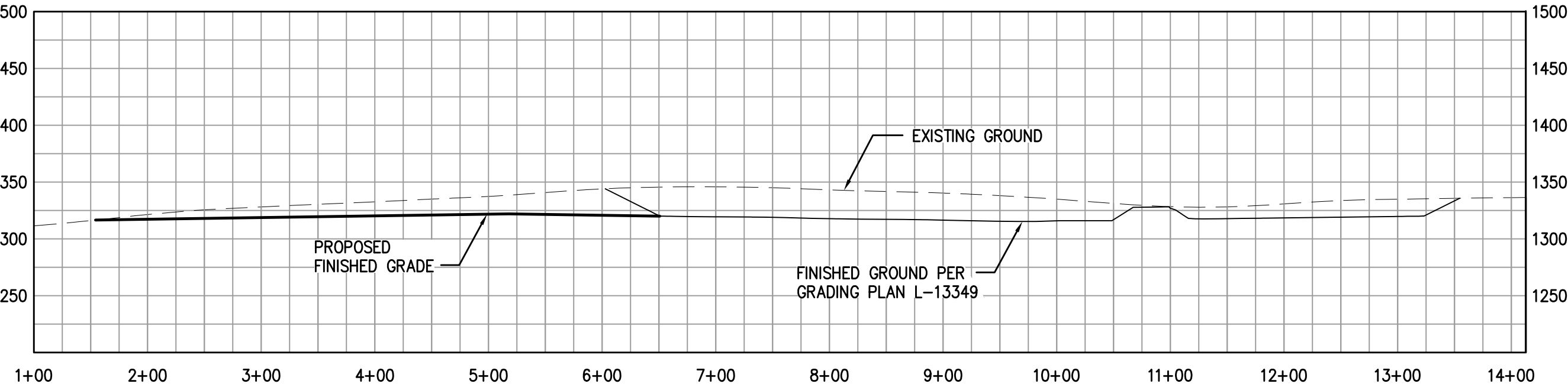
SECTION B-B
SCALE: HORIZ. 1"=100' VERT. 1"=100'



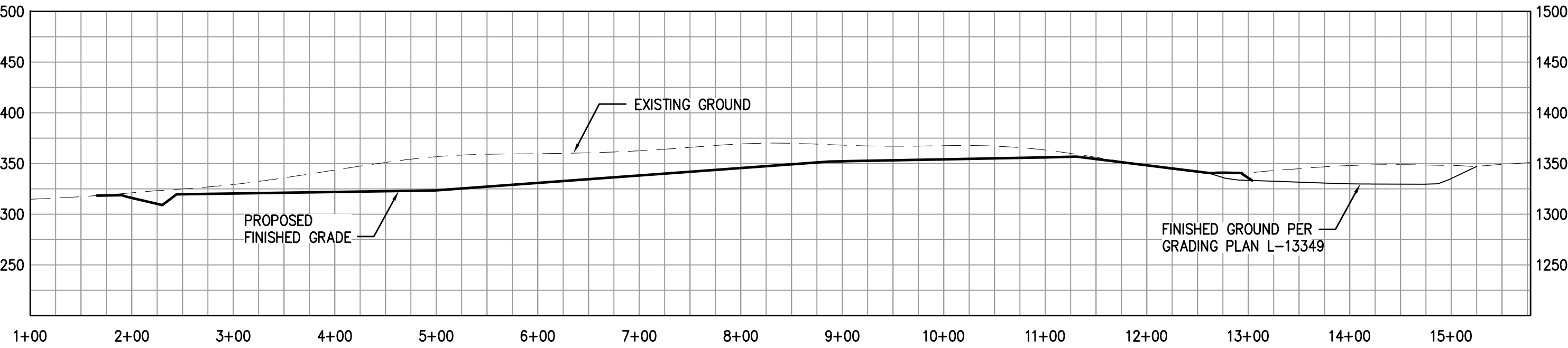
SECTION C-C
SCALE: HORIZ. 1"=100' VERT. 1"=100'



SECTION D-D
SCALE: HORIZ. 1"=100' VERT. 1"=100'



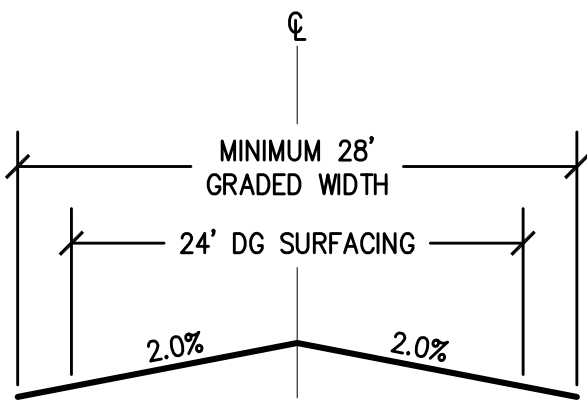
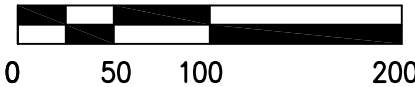
SECTION E-E
SCALE: HORIZ. 1"=100' VERT. 1"=100'



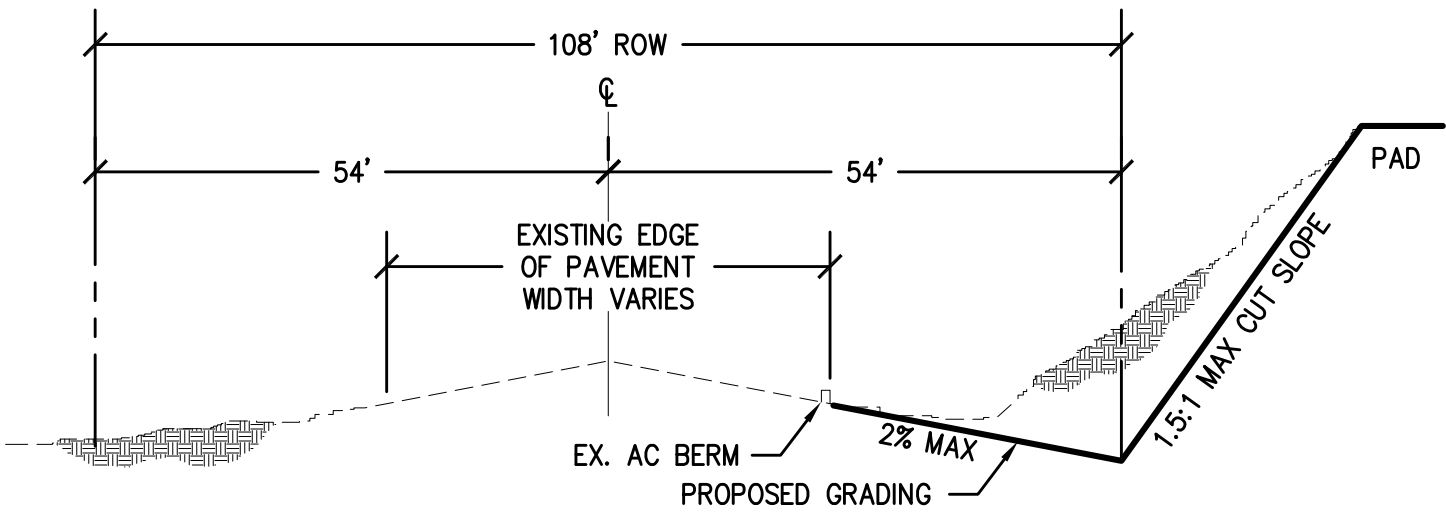
SECTION F-F
SCALE: HORIZ. 1"=100' VERT. 1"=100'



SCALE: 1" = 100'



SECTION: ON-SITE DRIVEWAY
NOT TO SCALE



SECTION: ALPINE BOULEVARD
NOT TO SCALE
(LOOKING EASTERLY)

OPERATOR	DECLARATION OF RESPONSIBLE CHARGE	COUNTY OF SAN DIEGO	DPLU APPROVED CHANGES	RECORD PLAN	PRIVATE CONTRACT
NAME: MARK TURVEY	I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBILITY CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.	APPROVED FOR COMPLIANCE WITH THE ENVIRONMENTAL REVIEW	NUMBER DESCRIPTION APPROVED BY DATE	BY: _____ DATE: _____ R.C.E. _____ EXPIRES: _____	SHEET 3 COUNTY OF SAN DIEGO SHEETS 3
ADDRESS: 15570 EL CAPITAN PEAK EL CAJON, CA 92021	I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF SAN DIEGO IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.	APPROVED BY: _____ DATE: _____		DESCRIPTION: _____ LOCATION: _____ RECORD FROM: _____ ELEVATION: _____ DATUM: _____	RECLAMATION PLAN FOR: TURVEY D.G. PIT CALIFORNIA COORDINATE INDEX - 250-1821
TELEPHONE: (619) 443-5045	BY: _____ DATE: SEPTEMBER 4, 2009				APPROVED DIRECTOR OF PLANNING AND LAND USE BY: _____ ENGINEER OF WORK: WAYNE W. CHANG RCE: 46548
SHORT LEGAL: NORTH WEST 1/4 OF SECTION 19 TOWNSHIP 15 S. RANGE 2 E	R.C.E. 46548 EXPIRES: JUNE 30, 2011				P/01-009/RP01-001 RECLAMATION PLAN NO:
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SITE ADDRESS: 16215 ALPINE BOULEVARD ALPINE, CA 91901					